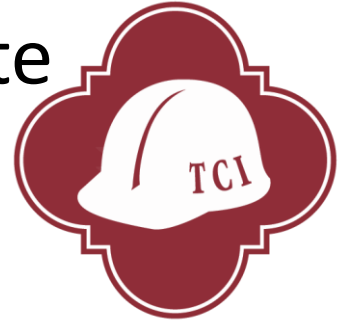


City of San Antonio

Fiber Deployment Management Update

City Council B Session
November 2, 2016



Presented by: Mike Frisbie, P.E.
Director

Background

2014

- Google announced San Antonio as potential fiber city
- City Council authorized Google and AT&T to lease City property for network huts

2015

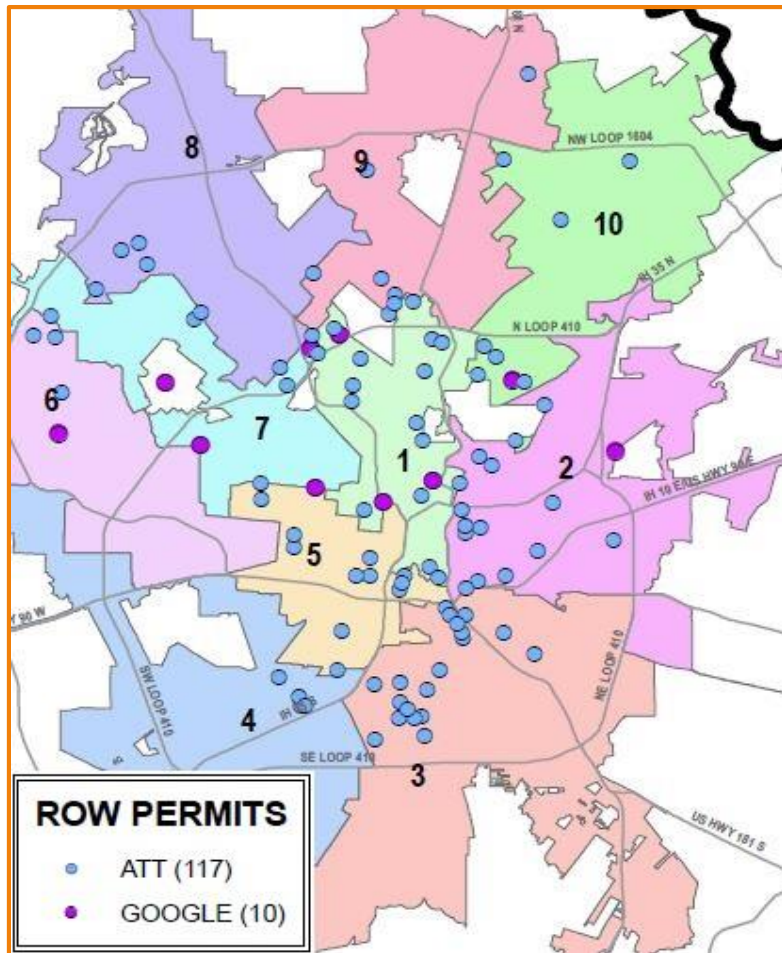
- Google and AT&T announced San Antonio will receive gigabit fiber service
- AT&T begins expanding their fiber network

2016

- Google starts constructing their fiber network build out



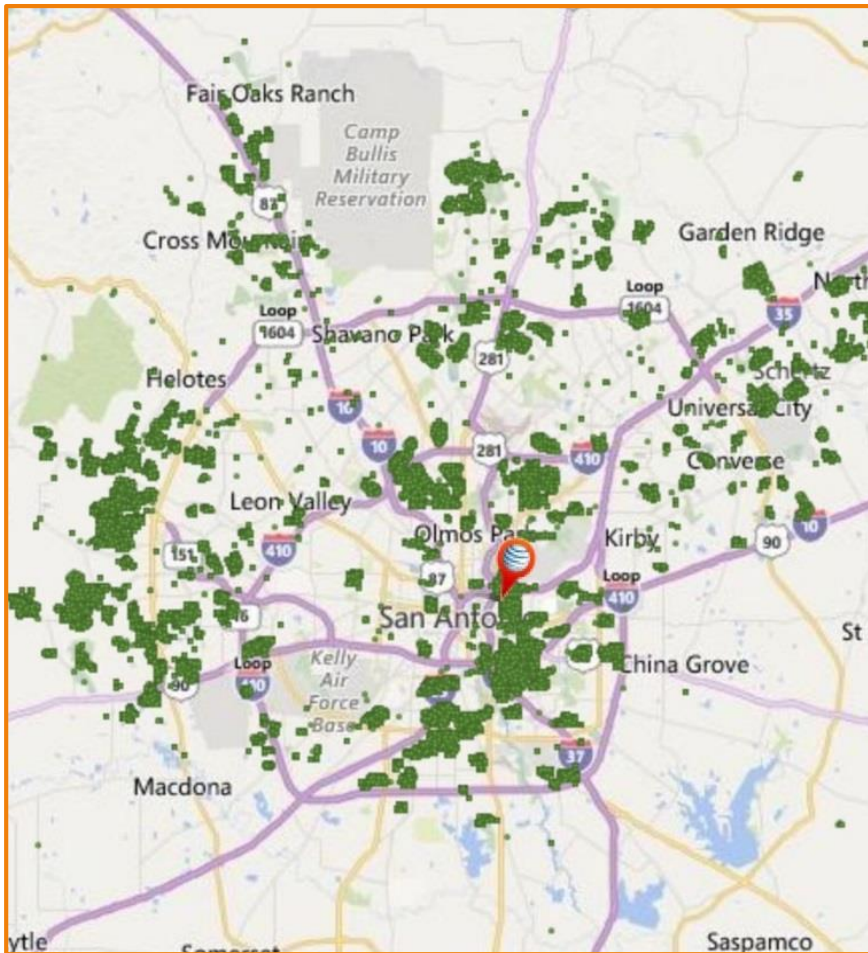
Active Fiber Permits



Fiber Group	Crews (Current/Peak)	Active Permits	Deployment Duration
AT&T Fiber	103/120	117	2-3 years
Google Fiber	30/80	10	4-5 years
TOTAL	133/200	127	

AT&T Fiber Update

- Fiber construction build out
 - 755 miles completed since June 2015
 - 200 more miles planned by end of 2016
 - 1,500 additional miles anticipated for 2017
- Service currently available to select locations (noted in green on map)



* Map courtesy AT&T

AT&T Network Build out

Hackberry Road



Somerset Road

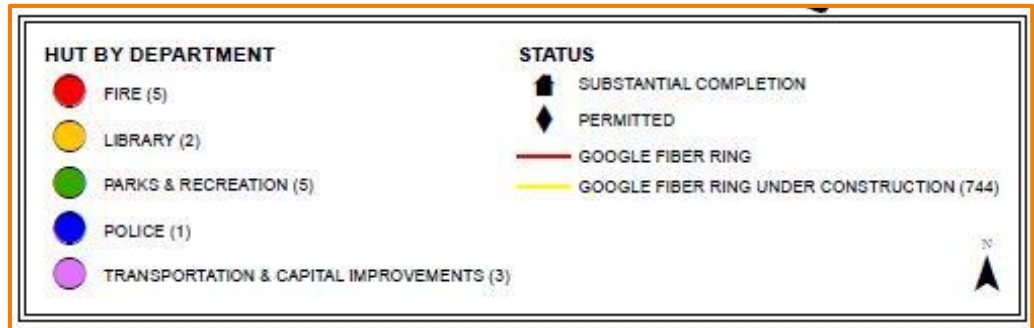
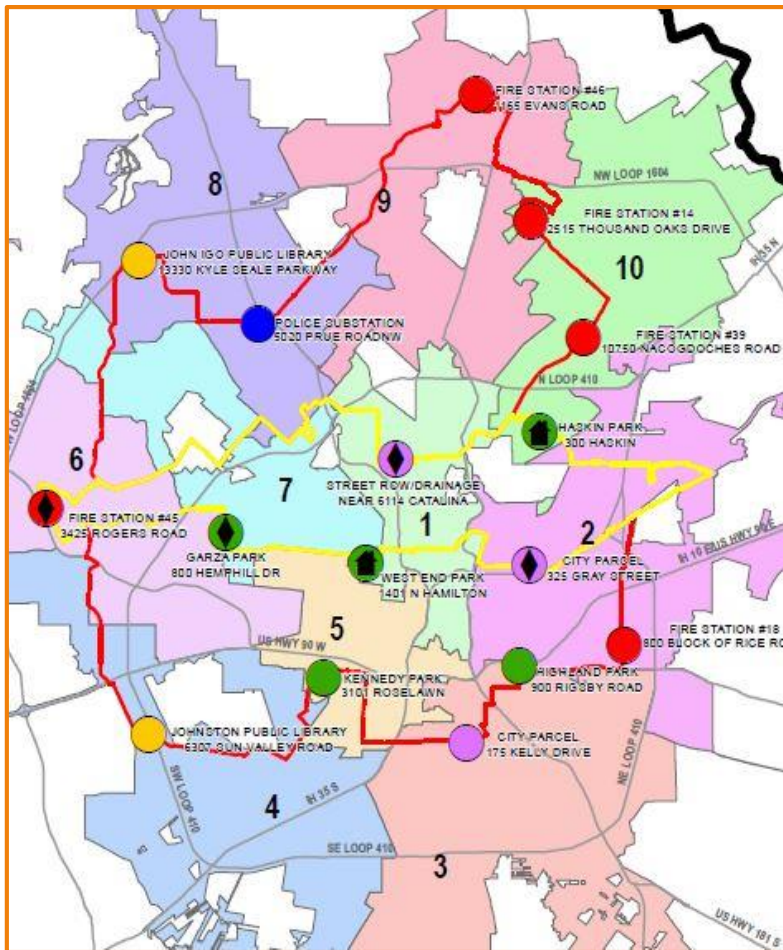


Dawson



Google Fiber Update

- Fiber network build out
 - 4,000 miles total of network build out
 - 400 miles of backbone build out
 - 17 network huts citywide
 - 2 network huts nearing completion
 - Hut 109 (CD6) anticipated next for construction



Google Backbone Work

Basse Road



Westover Hills



Wurzbach Road



Haskin Park



- Construction began July 2016
- Installation of standard hut
- Upgraded to commercial fencing and incorporated landscaping
- Substantially complete

West End Park



- Work began September 2016
- Installation of “cottage” hut
- Substantially complete
- Fence to include artwork

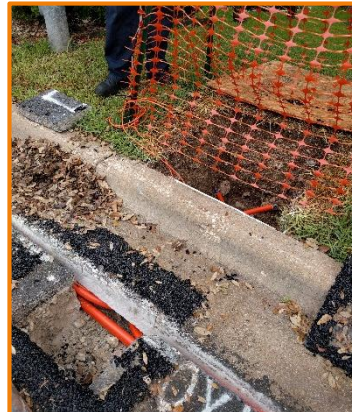
Fiber Deployment Management Team

- Created with FY 2017 Budget
- Includes 12 new positions and 2 existing positions
 - Manage city-wide fiber deployment
 - Ensure communication plans are executed
 - Track hut/hub deployment
 - Set standards for locations/placement of fiber (traditional, micro-trenching, etc.)
 - Communicate fiber activity with City Council Offices



Micro-Trench Pilot Program

- Pilot will be located in Council District 6
- Approved by City Council on September 29, 2016
- Anticipated start in early 2017



Community Outreach Enhancements

Construction notifications

- 30 day notification to City Council and affected NA's prior to construction
- 7 days prior, electronic message boards on impacted collector or arterial streets
- 3 days prior, door hangers to impacted residents and businesses

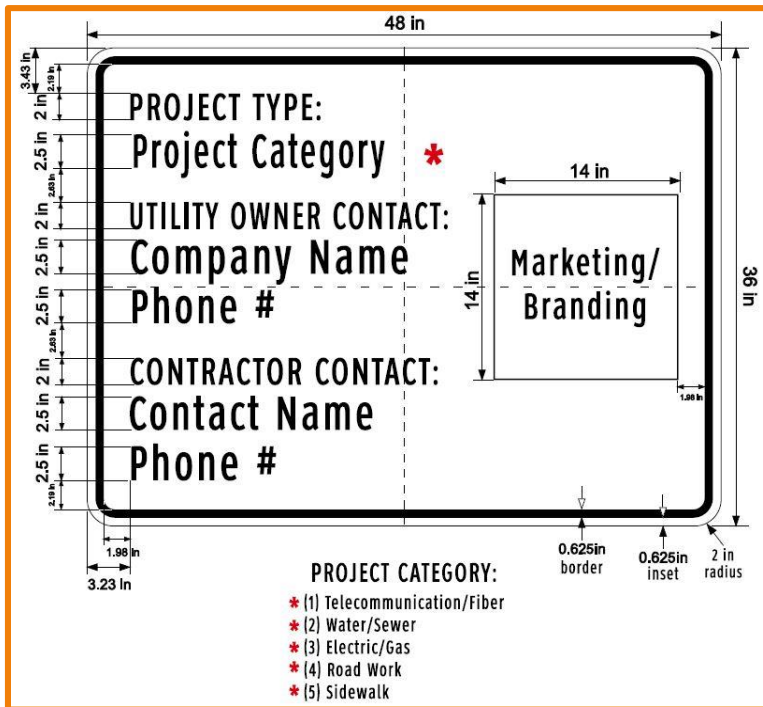
Signage

- Construction signage to include Project Type, Utility and Contractor contact information

Identification

- Construction crew to wear Utility Owner identifier visible to the public, i.e., vests, hard hats, etc.

Signage and Identification Examples



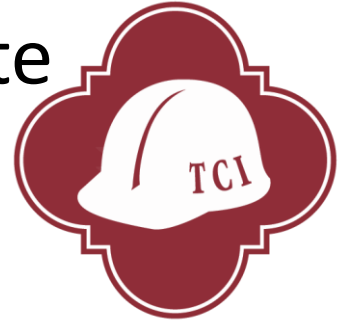
Accomplishments to Date

- COSA Fiber Website created:
 - <http://www.sanantonio.gov/TCI/Fiber-Deployment>
- Oversight of 755 miles of AT&T build out
- Oversight for 2 of 17 Google Fiber Hut locations and 96 miles of backbone build out
- Creation of Micro Trench Pilot program
- 685 right-of-way backfill inspections since August 1, 2016
- Coordination with Fiber Agencies, SAWS, and CPS to develop notification and communications plans

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